

LISTING OF THE CLAIMS

1. (Currently Amended) A method for automatically generating computer program code comprising the steps of:

receiving from an author over a computer communications network generating a description of a computing application in a web service executing in memory by a processor in a computer;

providing said description to a web service;

parsing said description in by-said web service to identify object parameters for said computing application;

providing a computational grid comprising a plurality of coding modules, wherein said computational grid includes a plurality of computers sharing computational resources;

locating a suitable coding module corresponding to at least one of the object parameters within a node contained within the computational grid coupled to the web service over a computer communications network, the computational grid comprising a plurality of computers sharing computational resources, said computational grid further comprising a plurality of coding modules, wherein said computational grid;

supplying said description to said node contained within the computational grid;

applying said description to said located suitable coding module to generate at least one output object corresponding to the identified object parameters; and

returning said at least one output object to the author over the computer communications network.

2. (Cancelled)

3. (Cancelled)

4. (Previously Presented) The method as set forth in claim 1, wherein said description is generated using Object Meta Language (OML).

5. (Previously Presented) The method as set forth in claim 4, wherein said OML is an eXtensible Markup Language (XML) dialect.

6. (Currently Amended) The method as set forth in claim 1, wherein said located ~~suitable~~ coding module is an XML template.

7. (Currently Amended) The method as set forth in claim 1, wherein said located ~~suitable~~ coding module is an eXtensible Stylesheet Language (XSL) style sheet.

8. (Currently Amended) The method as set forth in claim 7, wherein the step of applying said description to said located ~~suitable~~-coding module further comprises the steps of:

parsing said description to locate at least one variable; and
substituting said at least one variable with at least one replacement variable,
wherein said at least one replacement variable is the result of an XML/XSL
transform.

9. (Currently Amended) The method as set forth in claim 6, wherein the step of applying said description to said located ~~suitable~~ coding module further comprises the steps of:

parsing said description to locate at least one variable; and
substituting said at least one variable with at least one replacement variable,
wherein said at least one replacement variable is stored in said XML template.

10. (Cancelled)

11. (Cancelled)

12. (Currently Amended) A computer program product embodied on a computer readable medium for automatically generating computer program code, comprising computer executable instructions for:

receiving from an author over a computer communications network generating a
description of a computing application in a web service executing in memory by a
processor in a computer;

providing said description to a web service;
parsing said description in by said web service to identify object parameters for
said computing application;
providing a computational grid comprising a plurality of coding modules, wherein
said computational grid includes a plurality of computers sharing computational
resources;

locating a suitable-coding module corresponding to at least one of the object parameters within a node contained within the computational grid coupled to the web service over a computer communications network, the computational grid comprising a plurality of computers sharing computational resources, said computational grid further comprising a plurality of coding modules, wherein said computational grid;

supplying said description to said node contained within the computational grid;

applying said description to said located suitable-coding module to generate at least one output object corresponding to the identified object parameters; and

returning said at least one output object to the author over the computer communications network.

13. (Original) The computer program product as set forth in claim 12, wherein said description comprises Object Meta Language (OML).

14. (Previously Presented) The computer program product as set forth in claim 13, wherein said OML is an eXtensible Markup Language (XML) dialect.

15. (Currently Amended) The computer program product as set forth in claim 12, wherein said suitable-coding module is an XML template.

16. (Currently Amended) The computer program product as set forth in claim 12, wherein said suitable-coding module is an eXtensible Stylesheet Language (XSL) style sheet.

17. (Currently Amended) The computer program product as set forth in claim 15, wherein the computer executable instructions for applying said description to said ~~suitable~~ located coding module further comprise instructions for:

- parsing said description to locate at least one variable; and
- substituting said at least one variable with at least one replacement variable,

wherein said at least one replacement variable is the result of an XML/XSL transform.

18. (Currently Amended) The computer program product as set forth in claim 15, wherein the computer executable instructions, for applying said description to said ~~suitable~~ located coding module further comprise instructions for:

- parsing said description to locate at least one variable; and
- substituting said at least one variable with at least one replacement variable,

wherein said at least one replacement variable is stored in said XML template.

19. (Currently Amended) A system for automatically generating computer program code comprising:

- ~~an input terminal for inputting an application description;~~
- a computational grid, wherein said computational grid includes a plurality of computers sharing computational resources, said grid comprising a plurality of nodes, each node comprising at least one programming model; and
- a web service coupled to the web service over a computer communications network for supplying-receiving an application description from an author from over the computer communications network, for parsing said application description to identify

object parameters for a computing application, to a selected-locate a coding module corresponding to at least one of the object parameters within a node residing on said computational grid, wherein for supplying said application description to said node in which said located coding module applies said application description to generates an at least one output object corresponding to the identified object parameters in from said application description, and returning said at least one output object to the author over the computer communications network.

20. (Cancelled)

21. (Previously Presented) The system as set forth in claim 19, wherein said application description is generated using Object Meta Language (OML).

22. (Previously Presented) The system as set forth in claim 21, wherein said OML is an eXtensible Markup Language (XML) dialect.

23. (Previously Amended) The system as set forth in claim 19, wherein said coding modules are XML templates.

24. (Previously Amended) The system as set forth in claim 19, wherein said coding modules are eXtensible Stylesheet Language (XSL) style sheets.

25. (Previously Amended) The system as set forth in claim 24, wherein said coding modules for generating an application description includes computer code for:

parsing said application description to locate at least one variable; and
substituting said at least one variable with at least one replacement variable,
wherein said at least one replacement variable is the result of an XML/XSL
transform.

26. (Previously Amended) The system as set forth in claim 23, wherein said coding modules for generating an object from said application description include computer code for:

parsing said application description to locate at least one variable; and
substituting said at least one variable with at least one replacement variable,
wherein said at least one replacement variable is stored in said XML
template.

27. (Cancelled)